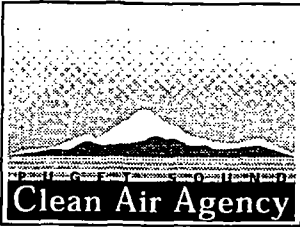


LDWSEF 12.3.54

12/06/04



Puget Sound Clean Air Agency

## Written Warning

110 Union Street, Suite 500  
Seattle, WA 98101-2038  
Ph: 206.343.8800 / 1.800.552.3565  
Fax: 206.343.7522  
www.pscleanair.org

Inspection Date: 12/6/2004

/ No 2-000343 c 1-7-05

Time: 11:00 AM

Case/Registration No. Reg. # 10913	Name Glacier Northwest Inc. E. Marginal			Responsible Person, Title Derrell Herman
Site Address 5975 E Marginal Way So.	City Seattle	Zip 98134	County King	
Mailing Address PO Box 1730	City, State Seattle, WA	Zip 98111	Phone (206) 764-3025	

Regulations Violated: Reg II 2.07(c)(3) Stage I gasoline tank inspections required between gasoline deliveries for defects listed in Table 1(b) for co-axial stage I  
order of approval 8985 #5 Weekly Baghouse inspection required

## Violation Description:

No inspection logs on-site for Stage I co-axial unleaded gasoline tank on-site. O&M logs for all baghouses on-site are completed monthly. NDC permits require weekly baghouse inspections. No visible emissions observed. Good job maintaining baghouses in good working order.

If you do not take the corrective action described below to comply with the regulations of the Puget Sound Clean Air Agency, the Agency may issue a Notice of Violation that may result in a civil penalty.

- ☒ By within 10 days, submit a written report describing the action you have taken to correct this violation and achieve compliance with agency regulations. include copy of Gas tank Stage I O&M log.
- ☐ By \_\_\_\_\_, you must: \_\_\_\_\_

Issued By:

*[Signature]*

Received By:

*[Signature]*  
Signing this is not an admission of guilt

Date/Time:

12/6/04 11:10 AM

Form No. 70-121-1 (12/00) MAM

Certified Mail Number

USEPA SF



1259993

Routing Record

To: Initials/Date:

1. Supervisor	MAN 1/3/05
2. Linda/Valerie	VLA 1.7.05
3. Other	FLA 1/1/05
4. Central Files	/
5.	/

PUGET SOUND CLEAN AIR AGENCY

110 Union Street, Suite 500  
Seattle, WA 98101-2038

ROUTINE  
INSPECTION REPORT

Reg #: 10913

AIRS#:

Personal Protective Equipment Checklist

As determined by PSCAA and Inspector based on conditions at the Source on the date of the current inspection:

MUST BE COMPLETED PRIOR TO INSPECTION

Safety Equipment	Required	Optional
None		
HardHat	X	
Goggles		
Safety Glasses		
Hearing Protection	X	
Respirator		
Safety Shoes	X	
Rubber Boots		
Leather Gloves		
Chemical Gloves		
Coveralls		
Tyvek		
Safety Vest		
Other		

Assigned Inspector EMG Engineer FLA  
Last Inspection Date 11/8/01

Facility: **Glacier Northwest Inc, E Marginal**

Street Address: **5975 E Marginal Wy S**

City: **Seattle**

Zip: **98134**

Mailing Address: **PO Box 1730**

City: **Seattle**

Zip: **98111**

Contact Persons: **Darryl Herman**

Oper Maint Super

206 764-3025

**Tom Hanson** *Ned Pettit*

Enviromental Manager

(206) 764-3000

**Kent Brovold**

0 768-7612

Persons Contacted: **Derrall Herman**

206-764-3025

North American Industry Classification System (NAICS): **327320 Ready-Mix Concrete Manufacturing**

Last Comment:

Type of Inspection:

☐ Offsite Report (Level 1) ☒ Onsite Routine (Level 2, 3, 4)

Last Inspection: **11/8/2001 EMG Onsite Routine** Inspection to evaluate addition of waterproofing agent "caltite" t batch. (Not source of odor.)

Date of Inspection: **12/6/04 9:30 am** PSCAA Reps: **E. Gilpin**

Inspection Summary: **Routine compliance inspection. Signed Notice of completion for OAP No 8985 on the cement silo #14 baghouse installed in March 2004. Both Ready mix plant Eric & Nikko on-line. No VE from any baghouses. No Stage I.**

Recommendation: **update equipment list. update contact list**

Attachments: **Notice of Completion Noc 8985**

Notice of Violation #: **WW 2-000343 RII 2.07(c)(3) No 8985 #5**

Film#:

PUGET SOUND CLEAN AIR AGENCY  
110 Union Street, Suite 500  
Seattle, WA 98101-2038

Facility: **Glacier Northwest Inc, E Marginal**

Reg #: **10913**

Report By:/Date

*M. G. Gilpin* 12/16/04

Inspection Objectives:

*See attached inspection report*

Exterior Observations (Before Inspection):

*NO visible emissions or odors observed*

<u>Inspections (Last 5)</u>	<u>Type</u>	<u>Comment</u>	<u>NOV</u>
11/8/2001 EMG	Onsite Routine	Inspection to evaluate addition of waterproofing agent "caltite" to batch. (Not source of odor.)	
10/29/2001 EMG	Onsite Routine	Odor complaint response.	
10/15/2001 EMG	Onsite Routine	Update Equip List.	
8/5/1999 EMG	Onsite Routine	Update Equip List. Update File. NC# 7511.	
6/1/1998 EMG	Onsite Routine	CSR - 6.03(a)[I], 4.02(a)[III]	

Notices of Construction Installation Pending:

Approved

Installed

#2811	DCs-250 Baghouses (2) On Silos	9/18/1986
#2873	Replacement Baghouse On Dryer	2/18/1987
#2959	Enlarge Shroud/Silo & Baghouse	9/18/1987
#2990	Fabric Filters NW Baghouse	11/16/1987
#3199	Fabric Filter 360-10 Baghouse	3/29/1989
	One Fabric Filter Model 360-10, baghouse at 26,000 cfm	
#8985	Baghouse	4/14/2004

One Filter Technology, Inc. Model 108-10 Baghouse @ 9,000 cfm (replaces Ree's Blow Pipe Type 11-HE)

PUGET SOUND CLEAN AIR AGENCY  
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Seattle, WA 98101-2038

Facility: **Glacier Northwest Inc, E Marginal**

Reg #: **10913**

Notices of Construction Installation Pending:

SN # H-6590) connected to Western most Cement Silo.

Approved

Installed

Notices of Construction/Notifications:

	<u>Approved</u>	<u>Inspected</u>	<u>Installed</u>
#2766 Mobile Concrete Batch Plant	5/29/1986	6/17/1987	12/31/1986
#2792 Clean Air Model 25-5 Baghouse	8/4/1986		12/31/1986
#2811 DCs-250 Baghouses (2) On Silos	9/18/1986		
#2873 Replacement Baghouse On Dryer	2/18/1987		
#2959 Enlarge Shroud/Silo & Baghouse	9/18/1987		
#2990 Fabric Filters NW Baghouse	11/16/1987		
#3199 Fabric Filter 360-10 Baghouse	3/29/1989		
#3903 Baghouse/Shaker Screen Hood	5/20/1991		4/4/1991
#7511 6000 Underground Storage Tank CARB Eo G-70-97-A	7/24/1998	8/5/1999	10/4/1998
#7927 Baghouse	10/27/1999		12/13/1999
Gauge to measure pressure drop			
#8077 Baghouse	2/8/2000		2/21/2000
Gauge to measure pressure drop			
#8985 Baghouse	4/14/2004		

Notices of Construction/Notifications Special Conditions:

#3199 Fabric Filter 360-10 Baghouse

One Fabric Filter Model 360-10, baghouse at 26,000 cfm

#3903 Baghouse/Shaker Screen Hood

One Fabric Filters NW PT-120-6 PulseJet Baghouse at 10,000 cfm at the shaker screen hood.

#7511 6000 Underground Storage Tank

3. Prior to placing the above equipment into operation, the applicant or owner shall certify compliance with the CARB approval order including pressure decay test (CARB test procedure TP-201.3 adopted April 12, 1995). The results of the equipment installation certification tests shall be submitted to PSAPCA within 30 days of equipment startup.

Stage 1 vapor recovery using Coaxial System on one 6,000 gallon underground gasoline storage tank; equipment and installation as per CARB Executive Order G-70-97-A.

#7927 Baghouse

3. Lone Star Northwest shall not exceed 0.02 gr/dscf from the CP-2250-3078 baghouse measured by a

PUGET SOUND CLEAN AIR AGENCY  
110 Union Street, Suite 500  
Seattle, WA 98101-2038

Facility: **Glacier Northwest Inc, E Marginal**

Reg #: **10913**

Notices of Construction/Notifications Special Conditions:

compliance source test that follows the requirements of Regulation I, Section 3.07.

4. Lone Star Northwest shall determine the acceptable pressure drop across the CP-2250-3078 baghouse while the equipment is operating normally and record these values in the facility's Operation and Maintenance Plan.

5. Lone Star Northwest shall monitor the CP-2250-3078 baghouse for visible emissions, evidence of fugitive dust and fallout at least once per week while operating. If visible emissions, fugitive dust or fallout are found, Lone Star Northwest shall within 24 hours make corrections until no visible emissions, fugitive dust or fallout occur, or shut down the equipment venting to the baghouse as specified in an Operation and Maintenance Plan. Lone Star Northwest shall document these corrective actions, maintain these records on site for at least two years, and make them available to Puget Sound Clean Air Agency personnel upon request.

One C&W CP-2250-3078 Baghouse rated at 12,400 cfm.

#8077 Baghouse

3. Glacier Northwest Inc shall not exceed 0.02 gr/dscf from the C&W KR-1500-2078 baghouse measured by a compliance source test that follows the requirements of Regulation I, Section 3.07.

4. Glacier Northwest Inc shall determine the acceptable pressure drop across the C&W KR-1500-2078 baghouse while the equipment is operating normally and record these values in the facility's Operation and Maintenance Plan.

5. Glacier Northwest Inc shall monitor the C&W KR-1500-2078 baghouse for visible emissions, evidence of fugitive dust and fallout at least once per week while operating. If visible emissions, fugitive dust or fallout are found, Glacier Northwest Inc shall within 24 hours make corrections until no visible emissions, fugitive dust or fallout occur, or shut down the equipment venting to the baghouse as specified in an Operation and Maintenance Plan. Glacier Northwest shall document these corrective actions, maintain these records on site for at least two years, and make them available to Puget Sound Clean Air Agency personnel upon request.

One C&W KR-1500-2078 Baghouse rated at 9,000 cfm.

#8985 Baghouse

3. Glacier Northwest Inc shall not exceed 0.02 gr/dscf from the Filter Technology, Inc. Model 108-10 baghouse measured by a compliance source test that follows the requirements of Regulation I, Section 3.07.

4. Glacier Northwest Inc shall determine the acceptable pressure drop across the Filter Technology, Inc.

PUGET SOUND CLEAN AIR AGENCY

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Notices of Construction/Notifications Special Conditions:

Model 108-10 baghouse while the equipment is operating normally and record these values in the facility's Operation and Maintenance Plan.

5. Glacier Northwest Inc shall monitor the Filter Technology, Inc. Model 108-10 baghouse for visible emissions, evidence of fugitive dust and fallout at least once per week while operating. If visible emissions, fugitive dust or fallout are found, Glacier Northwest Inc shall within 24 hours make corrections until no visible emissions, fugitive dust or fallout occur, or shut down the equipment venting to the baghouse as specified in an Operation and Maintenance Plan. Glacier Northwest shall document these corrective actions, maintain these records on site for at least two years, and make them available to Puget Sound Clean Air Agency personnel upon request.

One Filter Technology, Inc. Model 108-10 Baghouse @ 9,000 cfm (replaces Ree's Blow Pipe Type 11-HE SN # H-6590) connected to Western most Cement Silo.

Air Contaminant Generating Equipment:

Associated Control Equipment:

(1) Storage Bin/Silo System

#10 Cement Silo (east)

CE(1) Baghouse Silo #1 NOL 8985

Filter Technology, Inc Model 108-10

installed 2/2004

9000 CFM

(2) Storage Bin/Silo System

Cement Silo #11, #12

~~CE(2) Baghouse~~

#8 Cement Storage 'Clarage Fan Co'

Year Installed: 1989

CE(8) Baghouse

C&W CP-2250-3078

NOL 7927

yr. installed: 1999

12,400 CFM

(3) Storage Bin/Silo System

Cement Silo #13 #14

CE(3) Baghouse Silo #14

C&W CP-2250-3078

Year Installed: 1989

yr. installed 2004

Filter Technology model 108-10

12400 CFM

9,400 CFM

NC/NOT#: 7927 NOL 8985

CE(8) Baghouse

C&W CP-2250-3078

Year Installed: 1999

12400 CFM

NC/NOT#: 7927

(4) Mixer

PUGET SOUND CLEAN AIR AGENCY  
110 Union Street, Suite 500  
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Facility: **Glacier Northwest Inc, E Marginal**

Reg #: **10913**

Air Contaminant Generating Equipment

Associated Control Equipment:

Ready Mix Plant #1 (Erie)

Year Installed: 1989

✓ CE(4) Baghouse  
#1 Griffen Environm.  
Year Installed: 1989

✓ CE(6) Baghouse *fly Ash*  
#3 Griffen Environmental  
Year Installed: 1989

✓ CE(9) Baghouse *ready mix #4*  
C&W KR-1500-2078  
Year Installed: 2000

9000 CFM

NC/NOT#: 8077

✓ (5) Mixer

Ready Mix Plant #2 (Nikko)

Year Installed: 1989

✓ CE(5) Baghouse *ready mix #2*  
#2 Griffen Environm.  
Year Installed: 1989

✓ CE(6) Baghouse *fly Ash*  
#3 Griffen Environmental  
Year Installed: 1989

✓ CE(9) Baghouse *ready mix #4*  
C&W KR-1500-2078  
Year Installed: 2000

9000 CFM

NC/NOT#: 8077

✓ (6) Tank - Underground Gas (Coaxial)

Gasoline

Rated: 60,000 GPM

Year Installed: 1990

NC/NOT#: 7511

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Facility: **Glacier Northwest Inc, E Marginal**

Reg #: **10913**

Air Contaminant Generating Equipment

Associated Control Equipment:

Ready Mix Plant #1 (Erie)

Year Installed: 1989

✓ CE( 4 ) Baghouse  
#1 Griffen Environm.  
Year Installed: 1989

✓ CE( 6 ) Baghouse  
#3 Griffen Environmental  
Year Installed: 1989

✓ CE( 9 ) Baghouse  
C&W KR-1500-2078  
Year Installed: 2000

9000 CFM

NC/NOT#: 8077

( 5 ) Mixer

Ready Mix Plant #2 (Nikko)

Year Installed: 1989

✓ CE( 5 ) Baghouse  
#2 Griffen Environm.  
Year Installed: 1989

✓ CE( 6 ) Baghouse  
#3 Griffen Environmental  
Year Installed: 1989

✓ CE( 9 ) Baghouse  
C&W KR-1500-2078  
Year Installed: 2000

9000 CFM

NC/NOT#: 8077

✓ ( 6 ) Tank - Underground Gas (Coaxial)

Gasoline

Rated: 6000 Gal

Year Installed: 1990

NC/NOT#: 7511

1

Glacier Northwest Inc. (E. Marginal) R # 10913  
5975 E. Marginal Way So.  
Seattle, WA. 98134

12/06/04 9:30AM

### **Pre-Inspection**

I arrived on site wearing my Agency ID and contacted Derrell Herman. I explained the inspection objectives to him:

- Inspect for compliance
- Discuss the operations at the facility
- Review the dust management plan and baghouse O&M records
- Review the stage I gasoline tank O&M logs

### **Operations**

The source manufactures concrete using cement, sand, gravel, water, and admixtures. The raw materials are mixed in the Nikko and the Erie mixing plants and then they are loaded into cement trucks for distribution. The source captures, treats, and recycles the water at the facility. The recycled water is used in the concrete manufacturing process. Excess water is discharged to the Duwamish, occasionally under a NPDES permit with Dept. of Ecology. Overall production is down 50,000 yards for the year. Glacier has been operating a ready mix plant in Tacoma to provide concrete for the Narrows Bridge project. The project should be complete by May or June of 2005. Glacier stores cement brought in by barge from Lafarge in five cement storage silos. Occasionally they buy cement from Ash Grove which is delivered by truck. Fly ash is brought in by truck as well. Glacier receives rock from the Dupont pit and they are bringing in sand from Canada. Glacier is in the process of obtaining a permit to mine sand on Vashon Island. An outside company provides the diesel fuel for the cement trucks and loaders. Glacier Northwest operates a sweeper truck on-site twice daily to prevent track out and fugitive dust from the paved yard. The source eliminated the sacking plant a few years ago and no longer places ready mix concrete in bags for distribution.

### **Gasoline Tank**

The 6,000 gallon underground gasoline storage tank installed in 1990 is not required to have stage II vapor recovery per Reg. II 2.07(d)(1)(A). However, the stage I requirements apply since the tank capacity is more than 1,000 gallons and the tank was installed after 1/1/79. (2.07(c) (1) (a)). The source uses gasoline from the tank located on-site to fuel company cars. There were no stage I O&M logs on-site. I provided Mr. Herman with a copy of the Table 1(b) stage I items to check for defects on coaxial stage I systems. I advised him to conduct the inspections between gasoline deliveries and record the results in the gas station O&M log. I inspected the stage I co-axial tank. The cap and gaskets were in good condition as were the co-axial spring and adapter. There was no liquid in the spill bucket.



12/16/04

## Records Review

I reviewed the monthly baghouse inspection records. The records were complete and up to date for all baghouses located at the facility. The logs showed documentation of pressure drop, condition of the bags, shaker, pulse jet, belts, fans, and a check for visible emissions. Glacier also keeps detailed records of the maintenance conducted on each baghouse in a separate binder. I observed that the new baghouse installed on 3/18/04 on cement silo No. 14 had not been added to the equipment list. I signed the notice of completion for this new baghouse. (See attached notice of completion form for order of approval No. 8985) This new baghouse replaced CE (3) NOC 7927 C&W CP-2250-3078. The NOC 7927 baghouse remains on-site, but it is only controlling emissions from cement silo No 13 (see revisions to equipment list). The source changes the bags in each of the baghouses on an annual basis.


## Facility Inspection

I inspected the facility accompanied by Mr. Hanson. The entire plant was on-line. I observed no visible emissions coming from any area of the plant. I observed no track out. I inspected both of the mixing plants and the baghouses controlling emissions from them. I observed no visible emissions coming from any of the baghouses. The pressure differential on the NOC No 8077 baghouse installed in 2000 was 4.0 inches of H<sub>2</sub>O. This dust collector replaced the older CE (7) baghouse (#4 Griffen Environmental) installed in 1989. It collects emissions from both the Nikko and the Erie mixing plants. I observed that the following dust collectors controlled the cement silo emissions:

Cement silo # 10 9000 cfm	Filter Technology model 108-10 installed 3/04 NOC 8985,
Cement silos #11, #12 cfm installed 1999	CE (8) baghouse C&W CP 2250-3078 NOC 7927 12,400
Cement silos #13	C&W CP-2250-3078 12,400 cfm NOC 7927
Cement silo #14 9000 cfm	Filter Technology model 108-10 installed 3/04 NOC 8985,

## Closing Conference

Following the inspection, we returned to the office. I explained the applicable regulations to Mr. Herman including Reg. I 9.15(a), 9.20, 5.05(e), and 6.03. I issued WW No. 2-000343 to Mr. Herman regarding the permit requirement to conduct weekly baghouse inspections, not monthly and the requirement to keep stage I O&M logs containing the elements listed under equipment defects table 1(a) in the gas station rule for co-axial tanks.

 12/16/14